

Drought Information Statement for Eastern Missouri and Western Illinois

Valid January 25, 2024

Issued By: WFO St. Louis, MO

Contact Information: 636-447-1887

- This product will be updated by February 10, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/LSX/DroughtInformationStatement> for previous statements.



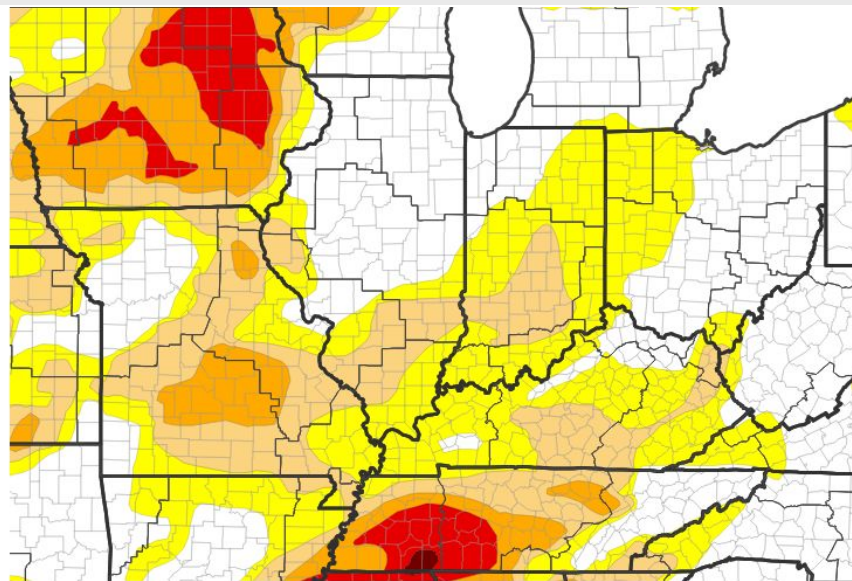


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Eastern Missouri and Western Illinois

Wet January Improves Drought...

- Drought intensity and Extent
 - **D2 (Severe Drought):** Eastern Knox, southwest Lewis, eastern Shelby, western Marion, northeastern Monroe, far northwestern Ralls, southern Cole, southern Osage, southern Gasconade, far southwestern Franklin, Crawford, far western Washington, far western Iron, and far northwestern Reynolds counties in Missouri.



U.S. Drought Monitor



Image Caption: U.S. Drought Monitor valid 7AM CDT January 23rd.

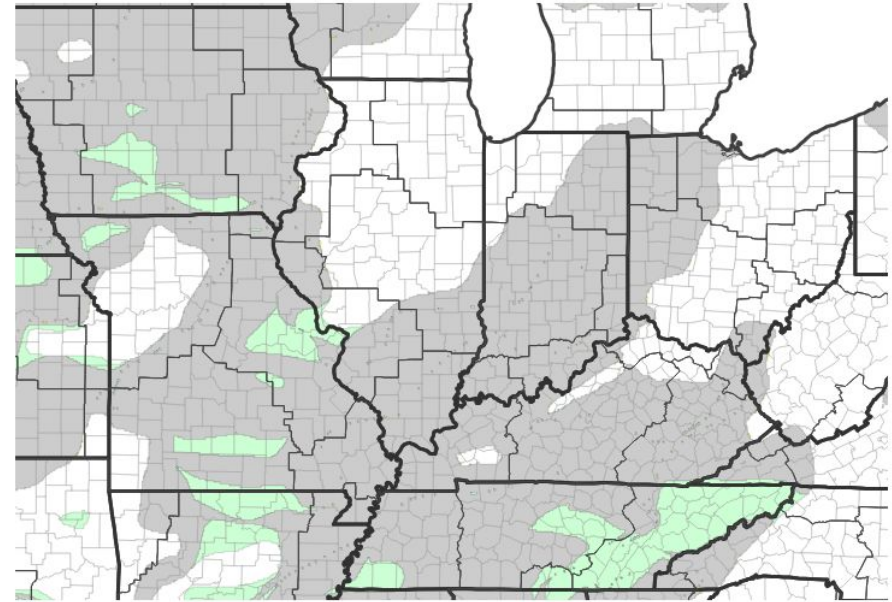




Recent Change in Drought Intensity

Link to the latest [1-week change map](#) for the United States

- Four Week Drought Monitor Class Change.
 - Drought Worsened: No regions
 - No Change: Most of central, northeast, and southeast Missouri as well as west central and southwest Illinois.
 - Drought Improved: Parts of east central Missouri.



Drought Change Since Last Week

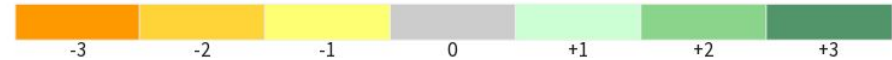
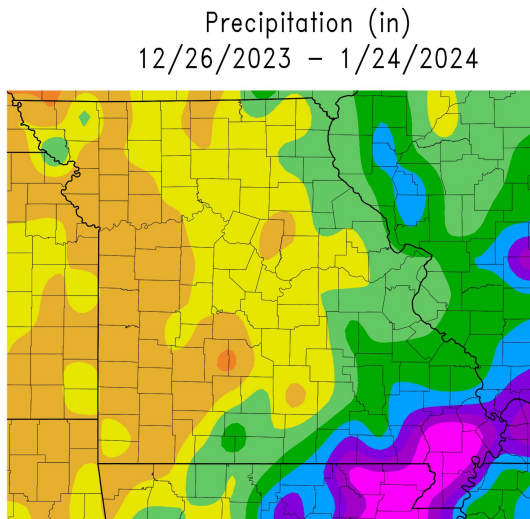


Image Caption: U.S. Drought Monitor 4-week change map valid 7AM CDT January 23rd.

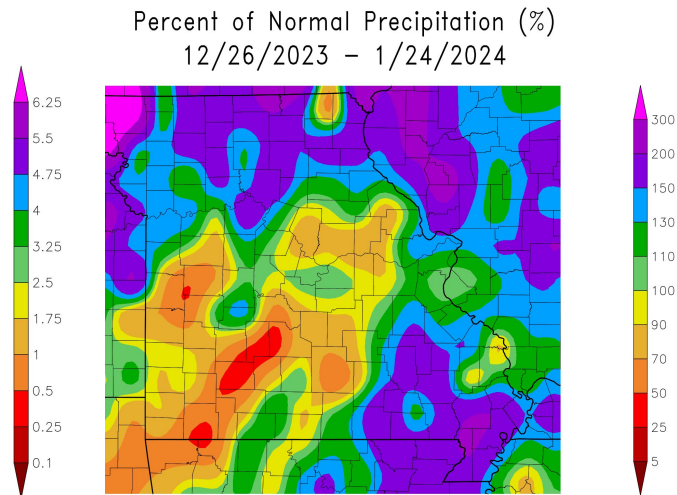


Precipitation

- A wet past couple of weeks has certainly helped the ongoing dryness/drought. Wettest conditions since late December are in parts of southeast and northeast Missouri as well as west-central Illinois where 150-200% of normal precipitation has fallen.



Generated 1/25/2024 at HPRCC using provisional data.



NOAA Regional Climate Centers 24 at HPRCC using provisional data.

NOAA Regional Climate Ce

Image Captions:

Left - Precipitation Amount for Eastern Missouri and Western Illinois

Right - Percent of Normal Precipitation for Eastern Missouri and Western Illinois

Data Courtesy High Plains Regional Climate Center.

Data over the past 30 days ending January 24, 2024



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

National Weather Service
St. Louis, MO



Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Low pond levels continue
- A couple of streamflows continue to be well-below normal

Agricultural Impacts

- Poor pasture conditions
- Low/poor hay supply
- Low stock water supplies
- Low topsoil moisture

Fire Hazard Impacts

- There are no known impacts at this time.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

Main Takeaways

- Low stream levels and ponds

Impacts

Recent precipitation has brought a remarkable increase in streamflow and flow percentiles across most of the region. The only area not to receive as much benefit is parts of northeast Missouri, where significant rain has not fallen since the 9th. However, today's rainfall will help. The lowest 7-day streamflow averages are on the North Fork Salt River (3rd percentile) and the upper South Fabius River (6th percentile). Areas southeast of a Jefferson City, MO to Jacksonville, IL line have improved nicely. With two more rain events expected by the weekend, look for additional improvement over the next week.

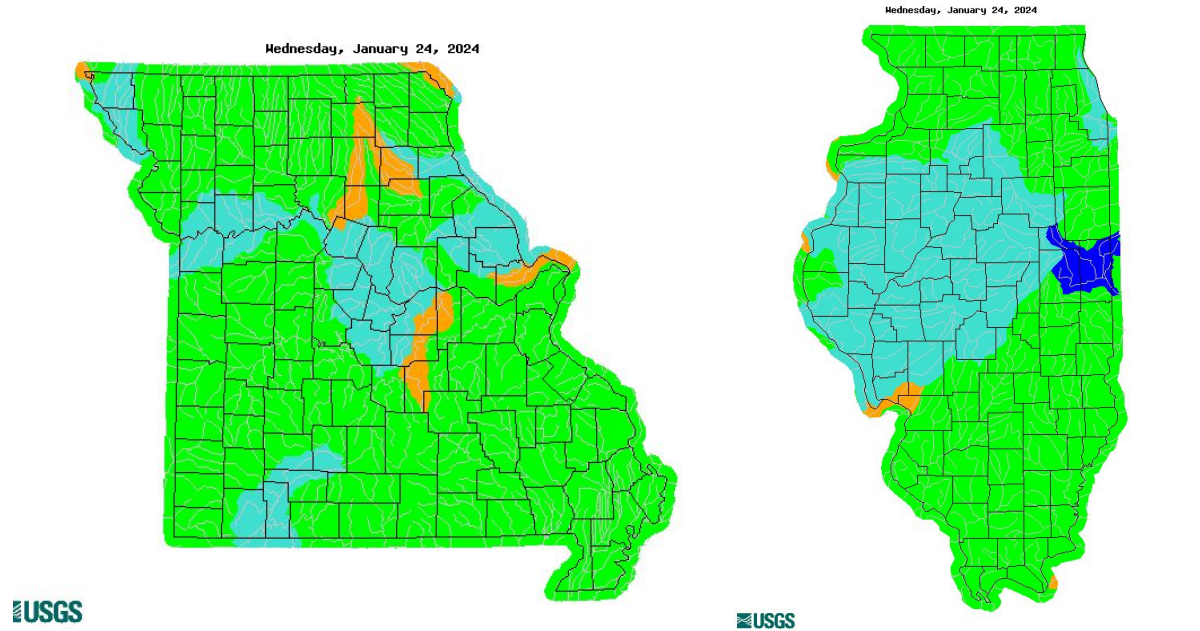
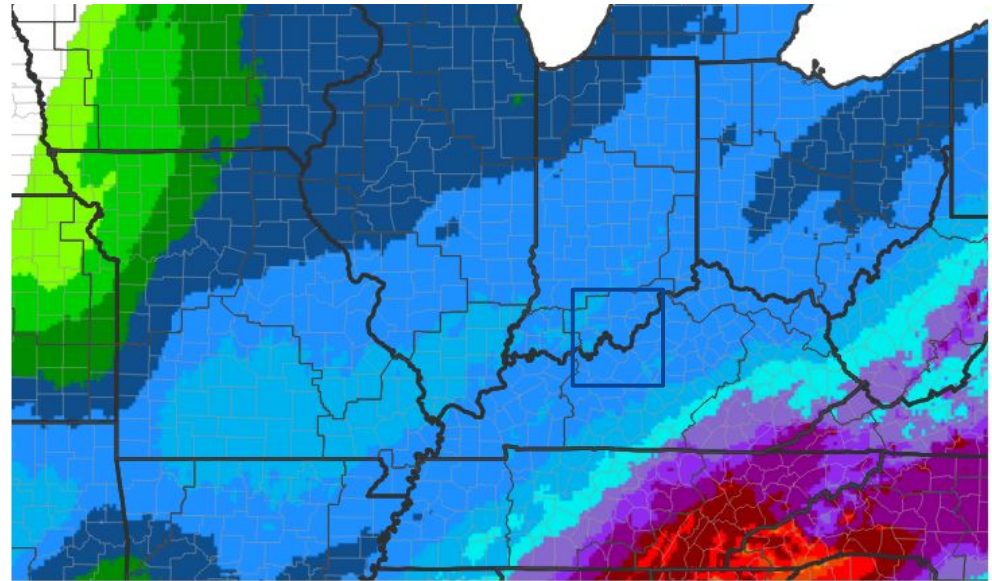


Image Caption: USGS 7 day average streamflow HUC maps for Missouri (left) and Illinois (right) valid January 24, 2024



Seven Day Precipitation Forecast

- Most of the rain is forecast through tonight, though with another event focusing on parts of southeast Missouri and southwest Illinois early this weekend. Widespread totals over ½" are forecast areawide, with 1+" most likely in parts of southeast Missouri.



Predicted Inches of Precipitation



Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday January 25 to Thursday February 1

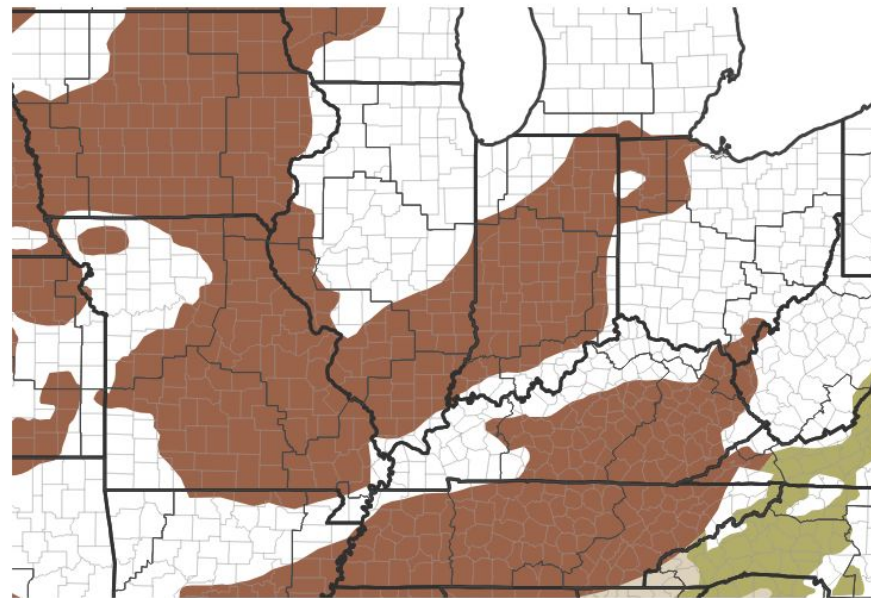




Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought is forecast to persist the rest of this month across the area.



Drought Is Predicted To...



Image Caption:

Climate Prediction Center Monthly Drought Outlook Released
December 31, 2023 valid for January 2024

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)
[Climate Prediction Center Seasonal Drought Outlook](#)



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